

## SA1100 Scanning Analyzer

The Palintest SA1100 provides simple and reliable monitoring for Lead or Copper in water.

Utilizing the long established voltammetric method of analysis with a unique disposable sensor system the Palintest SA1100 offers field or lab based analysis with excellent accuracy and resolution.

Developed from our Palintest SA-1000 system, the standard instrument for Lead and Copper testing in water, the Palintest SA1100 is simplicity itself. Weighing only 975g and completely waterproof the instrument is perfect for any environment.

Take a sample and fill the sample container, add the buffer reagent and insert the disposable sensor. Close the lid and allow the Palintest SA1100 to automatically carry out the analysis in a short time. The analysis cycle consists of the two phases - plating and scanning. The metals are plated onto the electrode during the first part of the test and stripped during the scanning phase. The instrument collates the signal reading and reports the Lead or Copper concentrations in  $\mu\text{g/l}$ . Data is stored in the instrument memory with time and date for downloading later via the waterproof USB port.

### Technical Specifications

<b>Instrument Type</b>	Fixed voltage potentiostat
<b>Display</b>	Backlit, graphical LCD (42 x 22 mm), with six language options and direct-reading of results in $\mu\text{g/l}$
<b>User Selectable Options</b>	Set time and date, date format, display language and reset sample number
<b>Data Logging</b>	Stores 500 previous readings and offers prompts when 40 and 20 left
<b>Interface</b>	Waterproof USB connection to PC
<b>Power</b>	4 x 1.5v 'AA' alkaline batteries. Battery power saving system with auto switch-off after five minutes. Powered via USB port when connected to computer
<b>Size</b>	Instrument only 170 x 126 x 116 mm
<b>Weight</b>	975g

Each Palintest SA1100 is supplied as a kit containing the instrument and a consumables pack for ten analyses in a comfortable shoulder case. Each consumables pack contains the sensors, buffer reagents and sample vessels required for 10 tests. Two chips are provided in the kit, one to upload the calibration information and a second to validate the instrument performance prior to use for complete confidence in the data.

### Ordering Information

PT 430 SA1100 Water Testing Kit for Lead  
 PT 431 SA1100 Water Testing Kit for Copper  
 PT 435 SA1100 Sensor Pack for Clean Water Lead  
 PT 436 SA1100 Sensor Pack for Clean Water Copper  
 CS 640 Check Standard

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